CLAIMS

- 1. A transparent polymeric composition having good impact strength, a high modulus, and good heat resistance, comprising
- from 50% to 90% by weight of a thermoplastic matrix (I) with a refractive index n_1 ,
- from 0 to 40% by weight of an impact additive (II) with a refractive index n_2 , and
- 10 from 10% to 50% by weight of a block copolymer (III) with a refractive index n_3 , the difference between the refractive indices, taken two by two, being less than or equal to 0.01.
- 15 2. The composition of claim 1, characterized in that the block copolymer III conforms to the following general formula -Y-B-Y' in which
 - B is an elastomer block which is thermodynamically incompatible with blocks Y and Y',
- 20 Y and Y' have or do not have the same chemical composition as one another,
 - at least one of the two blocks Y and Y' is totally or partially compatible with the thermoplastic matrix (I).

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3. The composition of claim 2, characterized in that B is obtained by polymerizing at least one monomer selected from butadiene, isoprene, 2,3-dimethyl-1,3-butadiene, 1,3-pentadiene and 2-phenyl-1,3-butadiene.

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- 4. The composition of claim 3, characterized in that B is obtained by polymerizing butadiene.
- 5. The composition of claim 3, characterized in that 35 B is obtained by polymerizing isoprene.
 - 6. The composition of claim 2, characterized in that Y and Y' are obtained by polymerizing at least one

monomer selected from styrene and short-chain alkyl methacrylates such as methyl methacrylate.

- 7. The composition of claim 6, characterized in that Y is a block composed predominantly of styrene and in that Y' is a block composed predominantly of methyl methacrylate.
- 8. The composition of claim 6, characterized in that 10 Y and Y' are blocks composed predominantly of methyl methacrylate.
- 9. The composition of claim 7, characterized in that Y' contains at least 60% of syndiotactic polymethyl methacrylate.
 - 10. The composition of claim 8, characterized in that Y and Y' each contain at least 60% of syndiotactic polymethyl methacrylate.

11. The composition of claim 1, characterized in that the amorphous matrix I is obtained by polymerizing at least one monomer selected from styrene, acrylonitrile, acrylic acid, and short-chain alkyl (meth)acrylates such as methyl methacrylate.

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- 12. The composition of claim 11, characterized in that I is obtained by polymerizing a mixture composed of 0 to 55% by weight of styrene and from 45% to 100% by weight of methyl methacrylate.
- 13. The composition of claim 1, characterized in that the additive II is a core-shell copolymer composed of an elastomer core and a rigid shell which is compatible with the amorphous matrix I.
- 14. An article obtained by the melt-state conversion of the composition of any one of claims 1 to 13, characterized in that the conversion is selected from

the techniques of converting thermoplastic materials such as injection molding, extrusion or calendaring.